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EXAMINER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/573,268	SEO ET AL.	
	Examiner	Art Unit	
	MARC DAZENSKI	2481	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *01 December 2010*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,4-8,19,27-31 and 33-40* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1, 4-8, 19, 27-31, 33-40* is/are rejected.

7)☒ Claim(s) *1 and 36* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *23 March 2006* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 1 December 2010 have been fully considered but they are not persuasive.

On pages 8-9 of the remarks, Applicant argues that Tsumagari fails to disclose "separating the external data into the first AV stream data and the first enhanced data…separating the internal data into the second AV stream data and the second enhanced data" as well as "combining at least one of the first AV stream data, the second AV stream data, the first enhanced data, and the second enhanced data with each other into a combination of data based on the set display mode and the first and second determinations; and displaying the combination of data…" Applicant further argues on pages 9-10 that "Tsumagari, however, does not disclose separating the ENAV contents into motion picture data (allegedly an AV data stream) and other data (e.g., voice, still picture, text, etc.), and displaying a combination of the separated data by selecting and combining operations." The examiner respectfully disagrees for at least the following reasons.

First, the examiner notes that nowhere in claim 1 does the claimed "data" (either internal, external, AV stream, enhanced, or otherwise) say anything in regards to whether it comprises the argued "other data" (e.g., voice, still picture, text, etc.). A careful reading of claim 1 shows that all the claim requires, as written, is that there is both AV stream data and enhanced data; since these two terms are not so limiting as to

comprise purely the examples listed by the applicant at the bottom of 9 through the top of claim 10, the examiner maintains that the disclosed data of Tsumagari (see, e.g., [0036]: "...the ENAV contents (composed of voice, still picture, text, and motion picture)...") read on the claimed "data" (either internal, external, AV stream, enhanced, or otherwise).

Second, the examiner also notes that the claimed “first/second AV stream data” and “first/second enhanced data” are so broad that they can be reasonably interpreted as an amount of data as little as a single frame (i.e., the "first AV stream data" may be a single frame of a movie while the "second enhanced data" may also be a single frame of a concurrently reproduced motion picture data or image). Therefore, absent some special definition of what comprises the first AV data and the second enhanced data, the examiner maintains the previously cited sections of Tsumagari do in fact disclose the limitations of the claim.

Third, the word "separating" is so broad as to render the limitation unclear as to how the claimed “external data” is separated. For example, does this “separating” mean the external data (comprising first AV stream data and the first enhanced data) is demultiplexed or parsed by a specific component? Does it mean that the external data is *displayed* separately on a screen? Does it mean that it is naturally delineated by the classification of data (i.e., by identifying the information as "ENAV contents" and "DVD Video contents" is that sufficiently "separated?")? As written the limitation is unclear, and therefore for the purposes of prior art it is interpreted to mean "displayed or multiplexed separately." Although the claimed external data is referred to in the

explanation above, the examiner maintains similar arguments apply to the claimed "internal data."

Finally, in regards to the Applicant's assertion that Tsumagari does disclose the claimed selecting and combining steps, the examiner notes that *previously cited* paragraphs [0156] – [0157] disclose every possible combination of combined first/second, internal/external, stream/enhanced data. This combination is also represented visually in figures 9A-9D.

On page 10 of the remarks, Applicant argues "…it is not possible for Tsumagari to separately select the motion picture data from the ENAV contents received from the web content distribution center and combine this with data separately selected from the ENAV contents of the DVD disk." The examiner respectfully disagrees, and refers to the following abbreviated list of teachings in Tsumagari that refute this statement:

1. Figure 13, particularly the Enhanced DVD Video Disk on the right side being fed along with Received Encoded ENAV Contents into a decoder to reproduce the output Decoded ENAV Contents;
2. paragraph [0039]: "In the optical disk 'd' which is an enhanced DVD video disk…the information contained in a disk and the enhanced navigation contents connected thereto via a communication line can be utilized concurrently.";
3. paragraph [0043]: "In this manner, the ENAV contents included in a disk and the acquired ENAV contents are selectively reproduced in addition to

reproduction of the existing DVD contents, thereby making it possible to carry out a variety of reproduction processes.";

4. paragraph [0156]: "The downloaded ENAV contents can be displayed independently or can be displayed to be composed with the DVD contents in the disk or the ENAV contents in the disk."; and,
5. Figure 9B and its corresponding text of paragraph [0157]: "Fig. 9B shows a screen on which the optical disk video contents or ENAV contents D are displayed in a small window while the ENAV contents for web distribution are provided as background."

In regards to Applicant's arguments for claim 19, the limitations of the claim are rejected in view of the explanation set forth in regards to claim 1 above.

In regards to Applicant's arguments for claim 7, the examiner maintains that the previous rejection stands in view of the explanation set forth in regards to claim 1.

A full rejection of the pending claims appears below.

Claim Objections

Claim 1 is objected to because of the following informalities: the claim refers to "separating the external data…" as well as "separating the internal data…" (see lines 4-6 and 9-10). As written, the word "separating" is so broad as to render the limitation unclear as to how the claimed "external data" is separated. For example, does this "separating" mean the external data (comprising first AV stream data and the first enhanced data) is demultiplexed or parsed by a specific component? Does it mean that

the external data is *displayed* separately on a screen? Does it mean that it is naturally delineated by the classification of data (i.e., by identifying the information as "ENAV contents" and "DVD Video contents" is that sufficiently "separated?")? As written the limitation is unclear, and therefore for the purposes of prior art it is interpreted to mean "displayed or multiplexed separately." Appropriate correction is required.

Claim 36 is objected to because of the following informalities: the claim reads, "The method of claim 19..." however claim 19 is an apparatus claim. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 4-6, 8, 19, 27-31, and 33-40 are rejected under 35 U.S.C. 102(e) as being anticipated by Tsumagari et al (US PgPub 2004/0126095), hereinafter referred to as Tsumagari.

Regarding **claim 1**, Tsumagari discloses a method for reproducing a set of at least one of external data and a set of internal data of a recording medium (see [0043]: “optical disk apparatus according to the present invention acquires and reproduces

ENAV contents…the ENAV contents are selectively reproduced in addition to reproduction of the existing DVD contents, making it possible to carry out a variety of reproduction processes."), the method comprising:

receiving the external data from an external source, the external data including first audiovisual (AV) stream data and first enhanced data (see [0049: "…web contents consisting of video image information acquired from the internet..."; see [0116]: "This disk device can download ENAV contents from a dedicated server to the buffer portion 57 and reproduce (decode) the ENAV contents."; see [0167]: "The ENAV contents are composed of…image data such as motion picture or still picture…"; see figure 6; particularly steps S21 and S28);

separating the external data into the first AV stream data and the first enhanced data (see [0092]: "The video image output control portion 59...is configured so as to carry out any of...full video mode...full ENAV mode...mixed frame mode, based on the 'video and/or voice output control signal" outputted from the ENAV interface portion 55 and/or the 'layout control signal' outputted from the ENAV interpreting portion 56."; see [0093] – [0097]: "In addition, the video image output control portion 59 has functions for…selecting a video output image…Further, this control portion 59 can start or terminate an output of a video image at a specified timing via a layout control signal, continue an output of a video image for a specified time, or output a video image at a specified position…"; see also [0083]: "In general, an ENAV interpreting portion 56 has a function for parsing and interpreting the ENAV contents obtained from a DVD video

disk or the reproduction control information included in the ENAV contents obtained from the Internet or the like, thereby moving the ENAV reproducing portion E.");

loading the recording medium having the internal data, the internal data including second AV stream data and second enhanced data (see [0047]: "…disk detecting portion 61 for mounting an optical disk…thereby detecting DVD video contents and/or ENAV contents recorded in a disk 'd'…"; see figure 2 particularly the "DVD video contents" and "ENAV contents" being on the same disk d, as well as figure 5 particularly steps S14, S15, and S17 showing reproduction of web, web-ENAV, disk-ENAV, and disk-DVD contents);

separating the internal data into the second AV stream data and the second enhanced data (see [0092]: "The video image output control portion 59...is configured so as to carry out any of...full video mode...full ENAV mode...mixed frame mode, based on the 'video and/or voice output control signal" outputted from the ENAV interface portion 55 and/or the 'layout control signal' outputted from the ENAV interpreting portion 56."; see [0093] – [0097]: "In addition, the video image output control portion 59 has functions for…selecting a video output image…Further, this control portion 59 can start or terminate an output of a video image at a specified timing via a layout control signal, continue an output of a video image for a specified time, or output a video image at a specified position…"; see also [0083]: "In general, an ENAV interpreting portion 56 has a function for parsing and interpreting the ENAV contents obtained from a DVD video disk or the reproduction control information included in the ENAV contents obtained from the Internet or the like, thereby moving the ENAV reproducing portion E.");

performing a first determination to determine which AV stream data between the first AV stream data and the second AV stream data is to be reproduced in one of a first mode and a second mode (see [0159]: “On the other hand, a user event control portion 54 receives an operating signal from a user operating portion 53 or operates an output mode selecting switch 102 of the above described remote controller 101, thereby supplying a control signal to the video image and/or voice output control portion 59 in order to carrying out switching of the previously described four cases a, b, c, and d.”; see [0036]: “For the information for controlling reproduction thereof, the ENAV contents...and/or method for reproducing DVD video contents…are described by using a markup language or a script language.”; see [0055]: “The user event interpreting portion 54 used here generates a user event which corresponds to a user operation of a DVD video reproducing apparatus.”);

decoding one of the first AV stream data and the second AV stream data based on the first determination (see [0053]: “The DVD video reproduction control portion 52 is configured so as to control reproduction of the DVD video contents according to a 'DVD control signal' outputted from the ENAV reproducing portion E.”; see also [0055]: “The element decoder 58 generates video image and/or voice data which corresponds to the other contents (data such as voice, still picture, text, and motion picture) included in the ENAV contents. An output portion…outputs the video image and/or voice data generated by the element decoder 58, the data being composed with video image and/or voice data reproduced by the DVD video reproducing portion R, based on an execution result of an ENAV command at the ENAV interface portion 55.”; see also

figure 9B-9C which both show simultaneous display of Disk Contents D and Web Contents W);

performing a second determination to determine which enhanced data between the first enhanced data and the second enhanced data is to be reproduced in one of the second mode and a third mode (see [0159]: “On the other hand, a user event control portion 54 receives an operating signal from a user operating portion 53 or operates an output mode selecting switch 102 of the above described remote controller 101, thereby supplying a control signal to the video image and/or voice output control portion 59 in order to carrying out switching of the previously described four cases a, b, c, and d.”; see [0036]: “For the information for controlling reproduction thereof, the ENAV contents...and/or method for reproducing DVD video contents…are described by using a markup language or a script language.”; see [0055]: “The user event interpreting portion 54 used here generates a user event which corresponds to a user operation of a DVD video reproducing apparatus.”);

decoding one of the first enhanced data and the second enhanced data based on the second determination (see [0053]: “The DVD video reproduction control portion 52 is configured so as to control reproduction of the DVD video contents according to a 'DVD control signal’ outputted from the ENAV reproducing portion E.”; see also [0055]: “The element decoder 58 generates video image and/or voice data which corresponds to the other contents (data such as voice, still picture, text, and motion picture) included in the ENAV contents. An output portion…outputs the video image and/or voice data generated by the element decoder 58, the data being composed with video image

and/or voice data reproduced by the DVD video reproducing portion R, based on an execution result of an ENAV command at the ENAV interface portion 55."; see also figure 9B-9C which both show simultaneous display of Disk Contents D and Web Contents W);

setting a display mode, the display mode being one of the first mode for displaying AV stream data, the second mode for displaying both AV stream data and enhanced data, and the third mode for displaying enhanced data (see [0092] – [0097]: "The video image output control portion 59...is configured so as to carry out any of...full video mode...full ENAV mode...mixed frame mode...In addition, the video image output control portion 59 has functions for…selecting a video output image…Further, this control portion 59 can start or terminate an output of a video image at a specified timing via a layout control signal, continue an output of a video image for a specified time, or output a video image at a specified position…");

combining at least one of the first AV stream data, the second AV stream data, the first enhanced data, and the second enhanced data with each other into a combination of data based on the set display mode and the first and second determinations; and displaying the combination of data (see [0156]: "The downloaded ENAV contents can be displayed independently or can be displayed to be composed with the DVD contents in the disk or the ENAV contents in the disk."; see [0161]: "…in addition to the DVD contents stored in an optical disk 'd' or the ENAV contents, the ENAV contents distributed from the web content distribution server S can be

independently or can be displayed to be composed with the DVD contents in the disk or the ENAV contents.").

Regarding **claim 4**, Tsumagari discloses everything claimed as applied above (see claim 1). Further, Tsumagari discloses wherein the first and second enhanced data is a Java program (see [0036]: "the ENAV contents…are described using a markup or script language…for example…Javascript…").

Regarding **claim 5**, Tsumagari discloses everything claimed as applied above (see claim 4). Further, Tsumagari discloses wherein the Java program is executed by a Java module (see [0055]: "An ENAV reproducing portion E…executes a command (ENAV command) included in the interpreted reproduction control information.").

Regarding **claim 6**, Tsumagari discloses everything claimed as applied above (see claim 4). Further, Tsumagari discloses wherein the Java program controls a reproduction of the data (see [0083] – [0085]: "…a function for parsing and interpreting the ENAV contents...For reproduction control information…there are used specific commands or variables associated with reproduction of the DVD video disk and/or ENAV contents…"; see [0092]: "..to carry out any of…full video mode…full ENAV mode…mixed frame mode…").

Regarding **claim 8**, Tsumagari discloses everything claimed as applied above (see claim 1). Further, Tsumagari discloses wherein the java module generates a control command for reproducing at least one of the first and second AV stream data and the first and second enhanced data (see [0083] – [0085]: "…a function for parsing and interpreting the ENAV contents...For reproduction control information…there are

used specific commands or variables associated with reproduction of the DVD video disk and/or ENAV contents…"; see [0053]: "The DVD video reproduction control portion 52 is configured so as to control reproduction of the DVD video contents according to a 'DVD control signal' outputted from the ENAV reproducing portion E…can output a 'DVD event signal' indicating a reproduction state of DVD video contents relevant to the ENAV reproducing portion E…").

Regarding **claim 19**, the examiner maintains the claim is the corresponding apparatus to the method of claim 1, and is therefore rejected in view of the explanation set forth in claim 1 above (wherein the DVD Video Reproducing Portion R and ENAV Reproducing Portion E of Figure 1 read on the claimed "first" and "second reproducing engines").

Regarding **claim 27**, Tsumagari discloses everything claimed as applied above (see claim 19). Further, Tsumagari discloses a pre-processing unit configured to adjust a displaying size of the first and second AV data and first and second enhanced data (see [0072]: "…window size change event…"; see [0085]: "…a command for instructing change in size and a variable for specifying a size after changed…").

Regarding **claim 28**, Tsumagari discloses everything claimed as applied above (see claim 19). Further, Tsumagari discloses a Java module configured to control a reproduction of at least one of the first and second AV data and the first and second enhanced data (see [0076] – [0077]: "…the ENAV interface portion 55 feeds a signal for controlling an output state of a video image and/or voice to a video image and/or voice output control portion 59 according to the user event from the user event control portion

54 and/or the content of the ENAV command from the ENAV interpreting portion 56...ENAV interface portion 55 is configured so as to exchange a first signal...based on the content (command) interpreted by the ENAV interpreting portion 56 or the user event from an input unit...").

Regarding **claim 29**, Tsumagari discloses everything claimed as applied above (see claim 28). Further, Tsumagari discloses wherein the Java module generates a control command to control the reproduction of the first and second AV data and first and second enhanced data (see the rejection to claim 28 above as well as [0093] – [0097] which disclose multiple reproduction modes).

Regarding **claim 30**, Tsumagari discloses everything claimed as applied above (see claim 19). Further, Tsumagari discloses a storage configured to store the external data (see [0057] – [0058]: "…buffer portion 57…").

Regarding **claim 31**, Tsumagari discloses everything claimed as applied above (see claim 19). Further, Tsumagari discloses wherein the first and second enhanced data is additional data to be reproduced with the first and second AV data (see [0092]: "…full video mode…full ENAV mode…mixed frame mode…" as well as figures 9A-D which exhibit "video image of dinosaurs," "Highlight scene of dinosaur world II," and "DVD network shopping of highlight scene of dinosaur world II" as example of "additional data to be reproduced with the first and second AV data.").

Regarding **claim 33**, Tsumagari discloses everything claimed as applied above (see claim 1). Further, Tsumagari discloses providing an option to reproduce the first AV data with the second enhanced data (see [0156]: "The downloaded ENAV contents

can be displayed independently or can be displayed to be composed with the DVD contents in the disk or the ENAV contents in the disk."; see [0159]: "On the other hand, a user event control portion 54 receives an operating signal from a user operating portion 53 or operates an output mode selecting switch 102 of the above described remote controller 101, thereby supplying a control signal to the video image and/or voice output control portion 59 in order to carrying out switching of the previously described four cases a, b, c, and d."; see [0157]: "…it is possible to display at least the four cases described above.").

Regarding **claim 34**, Tsumagari discloses everything claimed as applied above (see claim 19). Further, the limitations of the claim are rejected in view of the explanation set forth in claim 33 above.

Regarding **claim 35**, Tsumagari discloses everything claimed as applied above (see claim 1). Further, Tsumagari discloses wherein the first AV data is in the form of a data stream that provides audio and video data (see [0005]: "For the presentation data, video data, audio data, and sub-picture data are multiplexed in accordance with a specification for a program stream…defined in MPEG2.").

Regarding **claim 36**, Tsumagari discloses everything claimed as applied above (see claim 19). Further, the limitations of the claim are rejected in view of the explanation set forth in claim 35 above.

Regarding **claim 37**, Tsumagari discloses everything claimed as applied above (see claim 35). Further, the limitations of the claim are rejected in view of the explanation set forth in claim 35 above.

Regarding **claim 38**, Tsumagari discloses everything claimed as applied above (see claim 37). Further, the limitations of the claim are rejected in view of the explanation set forth in claim 35 above.

Regarding **claim 39**, Tsumagari discloses everything claimed as described above (see claim 1). Further, Tsumagari discloses wherein displaying the combination of data includes displaying the first AV stream data with the second enhanced data in the event the first determination determines to display the first AV data stream and the second determination determines to display the second enhanced data and the display mode is set to the second mode (see [0083] – [0085]: "…a function for parsing and interpreting the ENAV contents...For reproduction control information…there are used specific commands or variables associated with reproduction of the DVD video disk and/or ENAV contents…"; see [0053]: "The DVD video reproduction control portion 52 is configured so as to control reproduction of the DVD video contents according to a 'DVD control signal' outputted from the ENAV reproducing portion E…can output a 'DVD event signal' indicating a reproduction state of DVD video contents relevant to the ENAV reproducing portion E…"; see also [0156]: "The downloaded ENAV contents can be displayed independently or can be displayed to be composed with the DVD contents in the disk or the ENAV contents in the disk."; see [0159]: "On the other hand, a user event control portion 54 receives an operating signal from a user operating portion 53 or operates an output mode selecting switch 102 of the above described remote controller 101, thereby supplying a control signal to the video image and/or voice output control portion 59 in order to carrying out switching of the previously described four cases a, b,

c, and d."; see [0157]: "…it is possible to display at least the four cases described above.")

Regarding **claim 40**, Tsumagari discloses everything claimed as described above (see claim 1). Further, the limitations of the claim are rejected in view of the explanation set forth in either of claims 34 or 39.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tsumagari et al (US PgPub 2004/0126095), hereinafter referred to as Tsumagari, in view of Chatterton (US Patent 7,116,894), hereinafter referred to as Chatterton, further in view of Mekenkamp et al (US PgPub 2004/0091249), hereinafter referred to as Mekenkamp.

Regarding **claim 7**, Tsumagari discloses everything claimed as applied above (see claim 1). However, Tsuamagari fails to disclose wherein the external data is a digital broadcast signal. The examiner maintains that it was well known in the art to include the missing limitations, as taught by Chatterton.

In a similar field of endeavor, Chatterton discloses wherein the external data is a digital broadcast signal (see column 3, lines 63-67: "…a digital media server 100 coordinates multimedia content from…broadcast communication channels (130) e.g. digital/analog cable and satellite…").

Therefore, it would have been obvious to modify the method of Tsumagari to include the teachings of Chatterton, for the purpose of providing multimedia content from a variety of external sources.

The combination of Tsumagari and Chatterton fails to disclose the internal data is a signal reproduced from a read-only blu-ray disc. The examiner maintains it was well known in the art to include the missing limitations, as taught by Mekenkamp.

In a similar field of endeavor, Mekenkamp discloses the internal data is a signal reproduced from a read-only blu-ray disc (see [0020] – [0021]: "a PVR A…hard drive 80…may be another suitable type of storage device including…a blue-laser-based optical disc system…").

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the combination of Tsumagari and Chatterton to include the teachings of Mekenkamp, for the purpose of providing a user with main data that is of a higher visual quality than that of a standard DVD disc.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARC DAZENSKI whose telephone number is (571) 270-5577. The examiner can normally be reached on M-F, 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter-Anthony Pappas can be reached on (571) 272-7646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MARC DAZENSKI/
Examiner, Art Unit 2481

/Peter-Anthony Pappas/
Supervisory Patent Examiner, Art Unit 2481